

TENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PP04-0112	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/KR2004/001350	International filing date (day/month/year) 04 JUNE 2004 (04.06.2004)	(Earliest) Priority Date (day/month/year) 05 JUNE 2003 (05.06.2003)
Applicant LG CHEM. LTD. et al		

This International search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box No. II)

3. ☐ **Unity of invention is lacking** (See Box No. III)

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the drawings to be published with the abstract is Figure No. _____
☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

b. ☐ none of the figure is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2004/001350

A. CLASSIFICATION OF SUBJECT MATTER**IPC7 C07C 51/00**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean patents and applications for the inventions since 1975Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
CA**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5686638 A (DSM Chemie Limz GmbH) 11 November 1997 see column 1, the table in column 5	1-5
A	US 4273936 A (Union Carbide Corporation) 16 June 1981 see abstract	
A	US 5237092 A (Mitsubishi Gas Chemical Company, Inc.) 17 August 1993 see abstract	
A	WO 03/008367 A2 (Novartis AG) 30 January 2003 see abstract	

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family


Date of the actual completion of the international search

17 SEPTEMBER 2004 (17.09.2004)

Date of mailing of the international search report

22 SEPTEMBER 2004 (22.09.2004)

Name and mailing address of the ISA/KR

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920 Dunsan-dong, Seo-gu, Daejeon 302-701,
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INTERNATIONAL SEARCH REPORT

Information on family members

International application No.

PCT/KR2004/001350

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US5686638A	11.11.1997	AT170194A	15.08.1996
		AT402293B	25.03.1997
		BR9503935A	17.09.1996
		CA2157544A1	07.03.1996
		CZ9502284A3	16.06.1999
		DE59505423D1	29.04.1999
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		ES2128622T3	16.05.1999
		HU73016A2	28.06.1996
		JP8193044A	30.07.1996
		US5686638A	11.11.1997
US4273936A	16.06.1981	CA1182127A1	05.02.1985
		EP0026998A1	15.04.1981
		US4273936A	16.06.1981
US5237092A	17.08.1993	DE69201756D1	27.04.1995
		DE69201756T2	03.08.1995
		EP0520762A2	30.12.1992
		JP5065244A	19.03.1993
W003/008368A2	30.01.2003	US6740776B	25.05.2004